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AMENDMENT TO THE CLAIMS

Please AMEND claims 2, 8, 14, 19 and 20 as follows.

Please CANCEL claims 1, 16 and 18.

A copy of all pending claims and a status of the claims is provided below.

- 1. (canceled)
- 2. (currently amended) The method of claim 1 A method of photoresist trimming, comprising the steps of:

forming a resist foot in a trench; and

removing the resist foot found in the trench during a trimming process, wherein the trimming step-process comprises ionizing a portion of a mixture of gases comprising O₂ and at least one other oxide gas to form an etchant for the trimming process.

- 3. (original) The method of claim 2, wherein the mixture of gases comprises any of at least CO₂, SO₂ and NO₂ formed by mixing during a plasma etching process.
- 4. (original) The method of claim 2, wherein the trimming process is performed on a mask and an upper surface of the mask is resistant to etching.
- 5. (original) The method of claim 4, further comprising polymerizing an upper surface of the mask.
- 6. (original) The method of claim 3, further comprising providing a barrier on an upper surface of the mask derived from an oxide gas.
- 7. (original) The method of claim 3, further comprising arranging a carbon barrier on an upper surface of the mask.

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8. (currently amended) The method claim $4\underline{2}$, further comprising forming a sidewall in a mask which is to be trimmed during the trimming step-process, and etching a lower portion of the sidewall of the mask using the mixture of gases comprising O_2 and at least one other oxide gas to form the sidewall substantially perpendicular to a surface of the mask.

- 9. (original) The method of claim 2, wherein the mixture of gases comprising O₂ and at least one other oxide gas in a ratio ranging from about 1:50 to 50:1.
- 10. (original) The method of claim 2, further comprising forming a mixture of gases comprising O_2 and at least one other oxide gas in a ratio ranging from 1:10 to about 10:1.
- 11. (original) The method of claim 10, further comprising forming a mixture of gases comprising O₂ and at least one other oxide gas in a ratio ranging from about 1:3.
- 12. (original) The method of claim 2, further comprising holding the mixture of gases comprising O_2 and at least one other oxide gas at a pressure ranging from about 1 mT to 1000 mT.
- 13. (original) The method of claim 2, further comprising holding the mixture of gases comprising O_2 and at least one other oxide gas at a pressure ranging from about 1 mT to 100 mT.
- 14. (currently amended) A method of forming an imaging mask, comprising the steps of:

arranging an opaque layer on a transparent substrate;

arranging a mask material on the opaque layer;

imaging the mask with a prescribed pattern;

forming a trimming gas by mixing O₂ and at least one other oxide gas at a pressure ranging from about 1 mT to 1000 mT; and

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trimming an etched mask with a <u>the</u> trimming gas comprising O_2 and at least one other oxide gas.

15. (original) The method of claim 14, wherein the forming the trimming gas comprises mixing any of at least CO₂, SO₂ and NO₂ with O₂ in a ratio ranging from about 1:10 to about 10:1.

16. (canceled)

17. (original) The method of claim 14, wherein the imaging step includes the formation of a mask foot at a based of the prescribed pattern and the trimming step includes removal of the mask foot to form substantially perpendicular sidewalls of the prescribed pattern with respect to a surface thereof.

18. (canceled)

19. (currently amended) The trim gas of claim 18 A trim gas for etching a mask foot formed at a base of a sidewall pattern, comprising O₂ and at least one other oxide gas comprising at least any one of CO₂, SO₂, and NO, wherein the O₂ and at least one other oxide gas has a pressure ranging from about 1 mT to 1000 mT.

20. (currently amended) The trim gas of claim $48-\underline{19}$, wherein the O_2 and at least one other oxide gas is configured to strengthen an upper surface of a photoresist being trimmed.